WIRELESS LOCAL AREA NETWORK SYSTEM
WITH MOBILE ACCESS POINT STATION DETERMINATION

Abstract of the Disclosure

A wireless local area network system includes
a plurality of access point stations at known locations
that receive and transmit communication signals within
5 the wireless local area network. A mobile access point
station receives and transmits communication signals
within the wireless local area network. A location
processor is operatively connected to each of the
access point stations and operative to process
10 communication signals transmitted from the mobile
access point station and determining which
communication signals are first-to-arrive signals based
on a common timing signal and conducting
differentiation of the first-to-arrive signals to
15 locate the mobile access point station.